

ABSTRACT

A pass through test system for testing an electronic
5 module includes an interface board, and test contactors
movably mounted to the interface board for electrically
engaging terminal contacts on the module with a zero
insertion force on the modules. The interface board is
configured for mounting to an automated or manual pass
10 through test handler in electrical communication with test
circuitry. In a first embodiment the interface board
includes test pads in electrical communication with the test
circuitry, and rotatable test contactors having spring
contacts configured to simultaneously engage the test pads
15 and the terminal contacts on the module. In a second
embodiment the interface board includes test pads in
electrical communication with the test circuitry, and
slidable test contactors having beam leads configured to
simultaneously engage the test pads and the terminal contacts
20 on the module. In a third embodiment the test contactors are
slidably mounted to the interface board, and include coiled
spring contacts in electrical communication with a flex
circuit. A test method includes the steps of: providing the
test contactors, electrically engaging the terminal contacts
25 on the module with a zero insertion force using the test
contactors, and then applying test signals through the test
contactors and the terminal contacts to the module.